## > U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

		<del></del>		USTOMER NUMBER:   38327						
	TO 139 01-200	3) TRANSMITTAL LE	TTER TO THE UNITED STATES	Attorney's Docket Number HIRA.0178						
			ECTED OFFICE (DO/EO/US) ILING UNDER 35 U.S.C. §371	U.S. Application Number for proving 2224 1						
International Application Number PCT/JP03/09438			International Filing Date 25 July 2003	Priority Date Claimed 25 July 2002						
$\mathbf{A}$		ention N TRANSISTOR BASED ON SISTORS	N THE SPIN-FILTER EFFECT AND A	Nonvolatile Memory Using Spin						
Appi <b>S</b> A	licant(s	o) for DO/EO/US SHI SUGAHARA AND	MASAAKI TANAKA							
i.	×	This is a FIRST submission of items concerning a filing under 35 U.S.C. §371.								
2.		This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. §371.								
3. 4.	⊠ ⊠	This is an express request to begin national examination procedures (35 U.S.C. §371(f)). The submission must include items (5), (6), (9) and (21) indicated below.  The US has been elected (Article 31).								
5.		A copy of the International Application as filed (35 U.S.C. §371(c)(2))								
	a.	• •	ired only if not communicated by the Interna	itional Bureau).						
	þ.	• •	by the International Bureau.							
	j c.		plication was filed in the United States Rece	eiving Office (RO/US).						
ó.	r.									
	a.	is attached hereto		•						
	b.		mitted under 35 U.S.C. 154(d)(4).							
7.	⊠									
	a.	- the state of the								
	b.	b.   have been communicated by the International Bureau.								
	c.	c.   have not been made; however, the time limit for making such amendments has NOT expired.								
	d.	☐ have not been made and	will not be made.							
8.	⊠	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. §371(c)(3)).								
9.	⊠	An unexecuted oath or declar	ration of the inventor(s) (35 U.S.C. 371(c)(4	k)).						
		Article 36 (35 U.S.C. §371(d		ninary Examination Report under PCT						
			cument(s) or information included:							
	⊠ –		tatement under 37 C.F.R. §§1.97 and 1.98.							
	0	included.	recording. A separate cover sheet in compli	ance with 37 C.F.K. 983.28 and 3.31 is						
		A preliminary amendment.  An Application Data Sheet under 37 C.F.R. §1.76.								
			naer 3 / C.F.K. §1./0.							
		A substitute specification.	J.J.,							
		A power of attorney and/or a		T Dula 12tar 2 and 25 H C C 1 921 1 925						
		· -	the sequence listing in accordance with PC							
18			ed international application under 35 U.S.C.							
19		• • • • • • • • • • • • • • • • • • • •	a language translation of the international ap							
20.	⊠	Other items or information: Re	equest for Priority and Preliminary Amendm	ent						

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO.	(if known, see 3	7 CFR 1.5)	ATTORNEY'S DOCKET NUMBER HIRA.0178								
ΙÜ	972	221	<b>}</b>	CT/JP03/09438		Applicant use	Office use only				
21. □ The fol	lowing fees	are subn	nitted:								
☐ a) Basic nation	al fee				\$300.00	\$300.00					
☐ b) Examination	ı fee		\$200.00								
□ c) Search fee			\$500.00								
TOTAL OF ABO	OVE CALO	CULATIO	\$1,000.00								
☐ Additional fee	for specifica	tion and di									
				filed in an electronic mediun fraction thereof	n). The fee is						
3230 for cacit a	idditional 50										
Total Sheets	Extra Sheets		or fraction thereof (round up to a whole number)		RATE						
xx - 100=	xx - 100= /50 =		to a whole number)		x \$250.00						
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. §1.492(e)).											
CLAIMS		UMBER F	-	Number Extra	RATE						
Total Claims		70		50	x \$50.00	\$2,500.00					
Independent Clai	ms	21		18	x \$200.00	\$3,600.00					
Multiple Depend	ant Claims	(if applic	\$0.00								
			TOTA	L OF ABOVE CALCUI	ATIONS =	\$7,100.00					
□ Applicant clair	ns small en	tity status	s. See 3	37 CFR 1.27. The fees in	dicated	\$0.00					
above are reduce	u by 1/2			SIII	BTOTAL =	\$7,100.00					
Processing fee of	\$130.00 fo	or furnish	ing the	English translation later t		<u> </u>					
months from the	earliest cla	imed prio	rity dat	te (37 C.F.R. §1,492(f)).  TOTAL NATION		\$0.00					
			\$7,100.00								
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340.00 per prope	11.		\$7,100.00								
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<ul> <li>a.</li></ul>											
				t under 37 C.F.R. §1.495 re the application to pen		n met, a petition to revive	e (37 C.F.R. §1.137(a)				
Respectfully submitted,											
REED SMITH			Stanley P. Fig.	sher Number 24,344							
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Falls Church, Vi	rginia 2204	12				A. Marque	<del></del>				
(703) 641-4200			Number 34,072								
January 25, 200	05										